

STABILIZED FILAMENT DRAWING DEVICE FOR A MELTSPINNING APPARATUS

Abstract of the Disclosure

A stabilized filament drawing device for a meltspinning apparatus.

The stabilized filament drawing device applies a high-velocity flow of air to attenuate the filaments, which are discharged from a device outlet in a discharge direction. The filament drawing device includes multiple inclined guides adjacent to the outlet that cause the high-velocity flow of air to deviate from the discharge direction by the Coanda effect. The filaments, which are entrained in the high-velocity process air, likewise deviate from the discharge direction. The guides are arranged such that spaces are absent between adjacent guides.